

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A device for analyzing the physicochemical properties of a cutaneous surface, the device comprising:

a handheld mobile component;

an acquisition region located along a single side of said handheld mobile component, the acquisition region being sized to cover a cutaneous surface to be analyzed;

at least three sensors grouped and located within said handheld mobile component and directed toward the acquisition region, the sensors being a temperature sensor for measuring the temperature of the cutaneous surface, a skin moisture TEWL sensor for measuring the ~~moisture level of the cutaneous surface~~ transepidermal water loss, and an ambient humidity sensor; and

a processing unit interfaced with the set of sensors, said unit being equipped with analysis means for determining certain physicochemical properties of the cutaneous surface to be analyzed, on the basis of signals produced by said sensors.

2. (Previously Presented) The device as claimed in claim 1 further comprising a pH sensor, and

a cutaneous print sensor, capable of measuring the topography of the cutaneous surface to be analyzed.

3. (Previously Presented) The device as claimed in claim 1 further comprising a lipid level sensor and

a sensor for elastic deformation of the cutaneous surface to be analyzed.

4. (Previously Presented) The device as claimed in claim 1, wherein at least one of said sensors is made from micro-electromechanical systems (MEMS).
5. (Cancelled)
6. (Previously Presented) The device as claimed in claim 1, wherein the acquisition region is electrically connected to the processing unit and can be moved in front of the cutaneous surface to be analyzed.
7. (Previously Presented) The device as claimed in claim 1, wherein the mobile component is connected to the processing unit by a wireless connection.
8. (Previously Presented) The device as claimed in claim 1, wherein the processing unit is connected to a display terminal.
9. (Previously Presented) The device as claimed in claim 8 further comprising a plurality of handheld mobile components, each including an acquisition region, which are connected to the processing unit.
10. (Previously Presented) The device as claimed in claim 1, wherein the processing unit classifies the cutaneous surface to be analyzed in a predetermined category, as a function of the physicochemical properties which are determined.
11. (Previously Presented) The device as claimed in claim 1, wherein the processing unit is associated with a database of treatment products.
12. (Cancelled)

13. (Previously Presented) The device as claimed in claim 7, wherein the wireless connection is a radio frequency connection.

14. (Previously Presented) The device as claimed in claim 1 further comprising a pH sensor.

15. (Previously Presented) The device as claimed in claim 1 further comprising a cutaneous print sensor capable of measuring the topography of the cutaneous surface to be analyzed.

16. (Previously Presented) The device as claimed in claim 1 further comprising a lipid level sensor.

17. (Previously Presented) The device as claimed in claim 1 further comprising a sensor for elastic deformation of the cutaneous surface to be analyzed.

18. (Previously Presented) The device as claimed in claim 1 further comprising a pH sensor and a lipid sensor.

19. (Previously Presented) The device as claimed in claim 1 further comprising a pH sensor and a sensor for elastic deformation of the cutaneous surface to be analyzed.

20. (Previously Presented) The device as claimed in claim 1 further comprising a cutaneous print sensor capable of measuring the topography of the cutaneous surface to be analyzed and a lipid level sensor.

21. (Previously Presented) The device as claimed in claim 1 further comprising a cutaneous print sensor capable of measuring the topography of the cutaneous surface

to be analyzed and a sensor for elastic deformation of the cutaneous surface to be analyzed.

22. (Previously Presented) The device as claimed in claim 1 further comprising a pH sensor, a cutaneous print sensor capable of measuring the topography of the cutaneous surface to be analyzed, and a lipid level sensor.

23. (New) The device as claimed in claim 1, wherein the TEWL sensor is a micromechanical system (MEMS) sensor comprising a polymeric film that condenses the water vapor evaporating from the cutaneous layer, the TEWL sensor being able to react according to the variation in the electrical properties of said film, as a function of the amount of water vapor condensed.